



## ADC (VAL0) - Channels 8 to 15



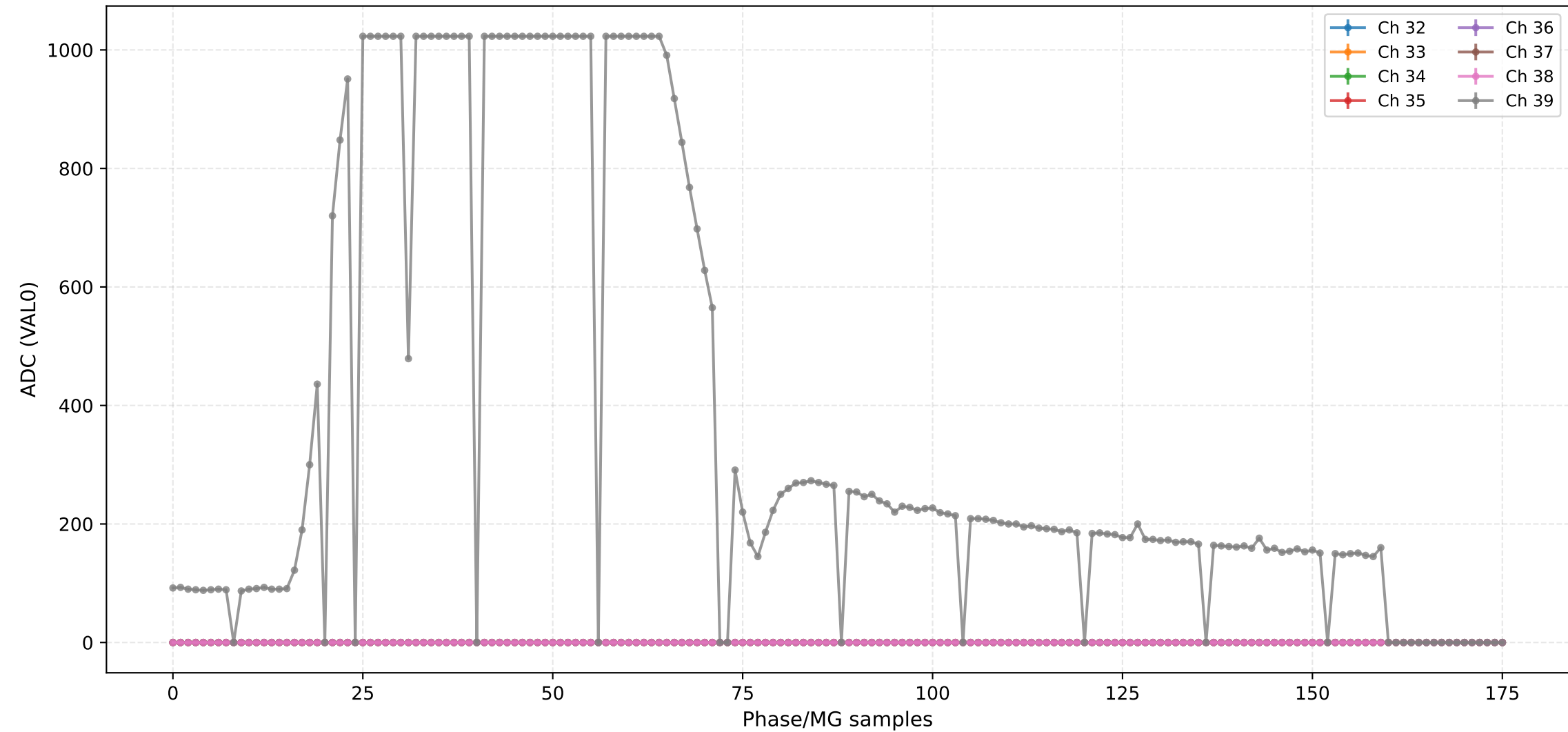
## ADC (VAL0) - Channels 16 to 23



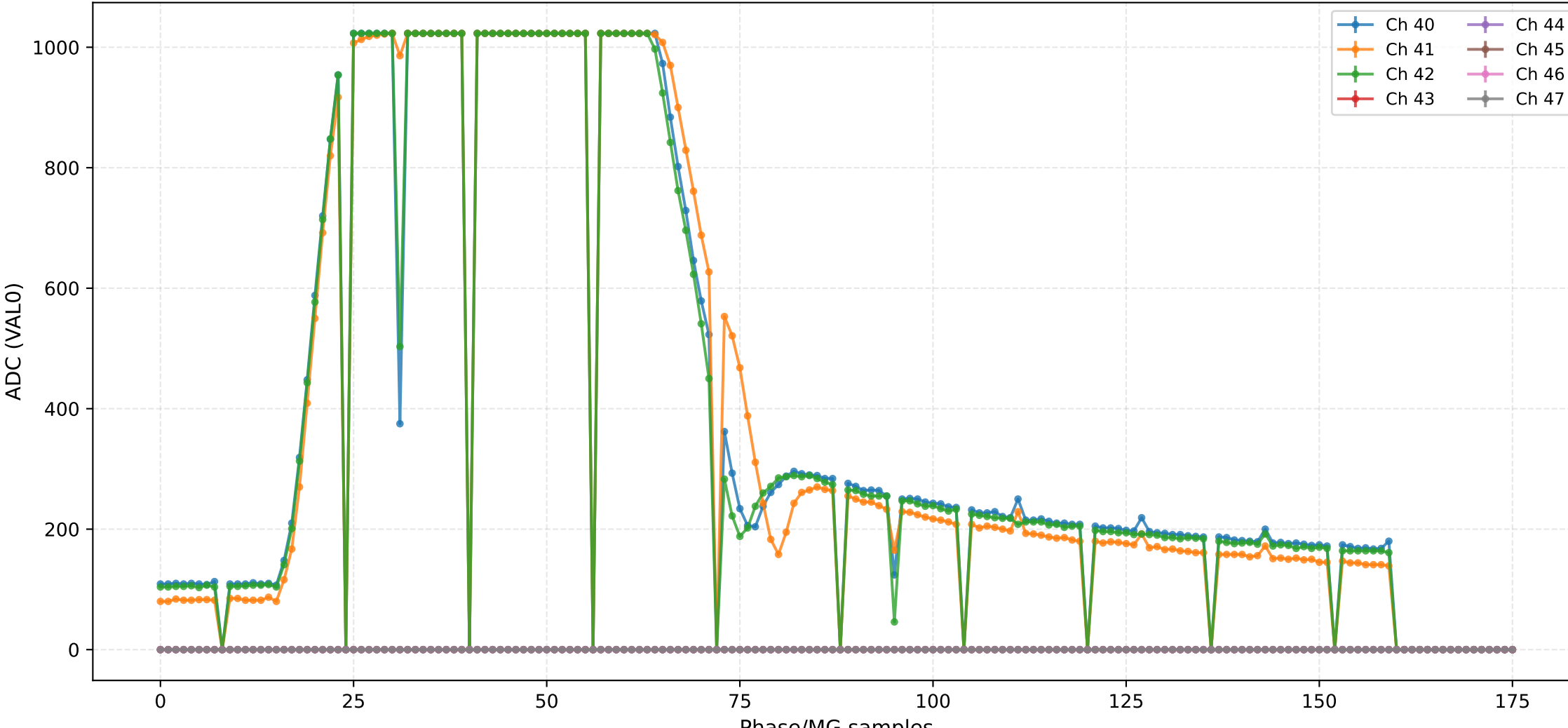
### ADC (VAL0) - Channels 24 to 31



### ADC (VAL0) - Channels 32 to 39



## ADC (VAL0) - Channels 40 to 47



### ADC (VAL0) - Channels 48 to 55



### ADC (VAL0) - Channels 56 to 63

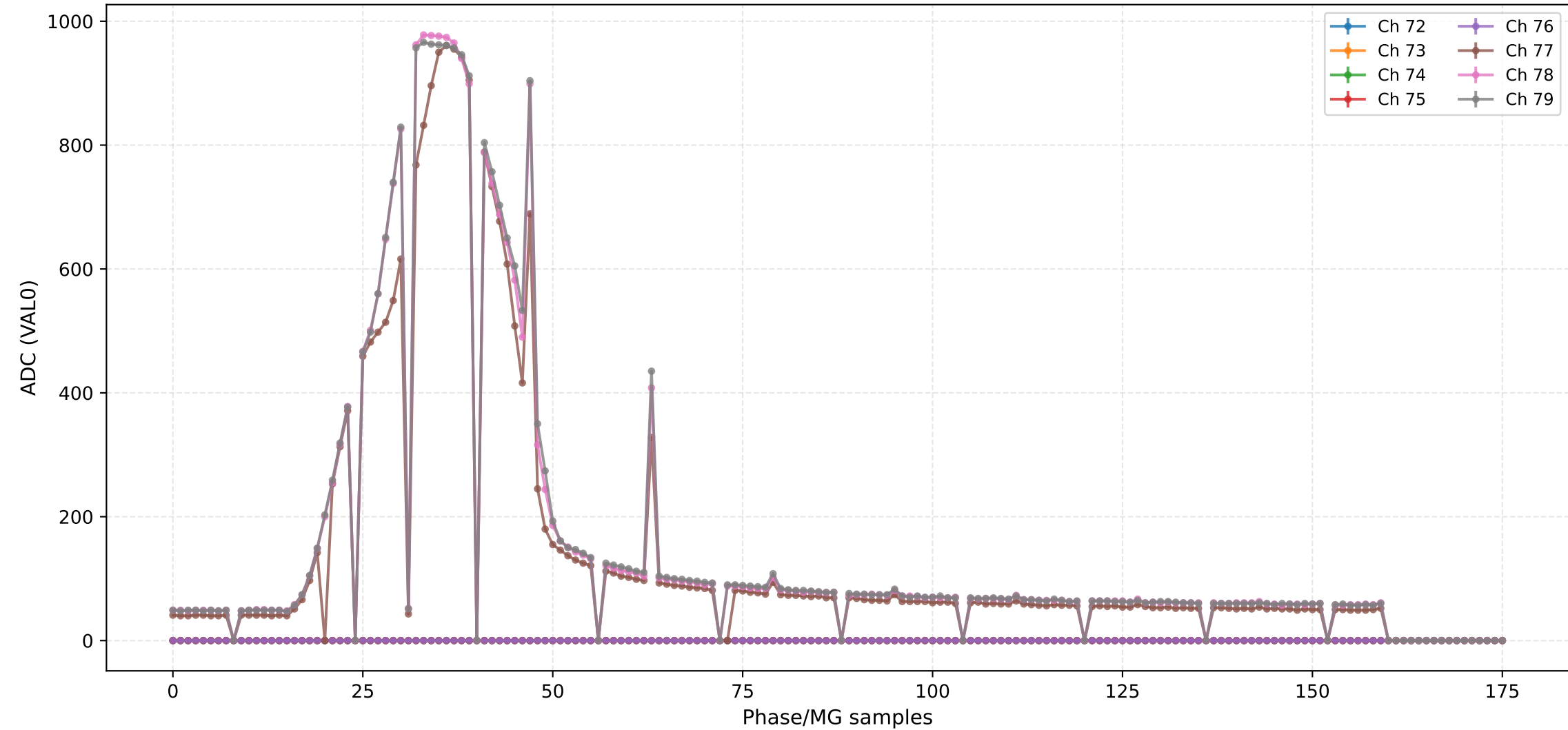




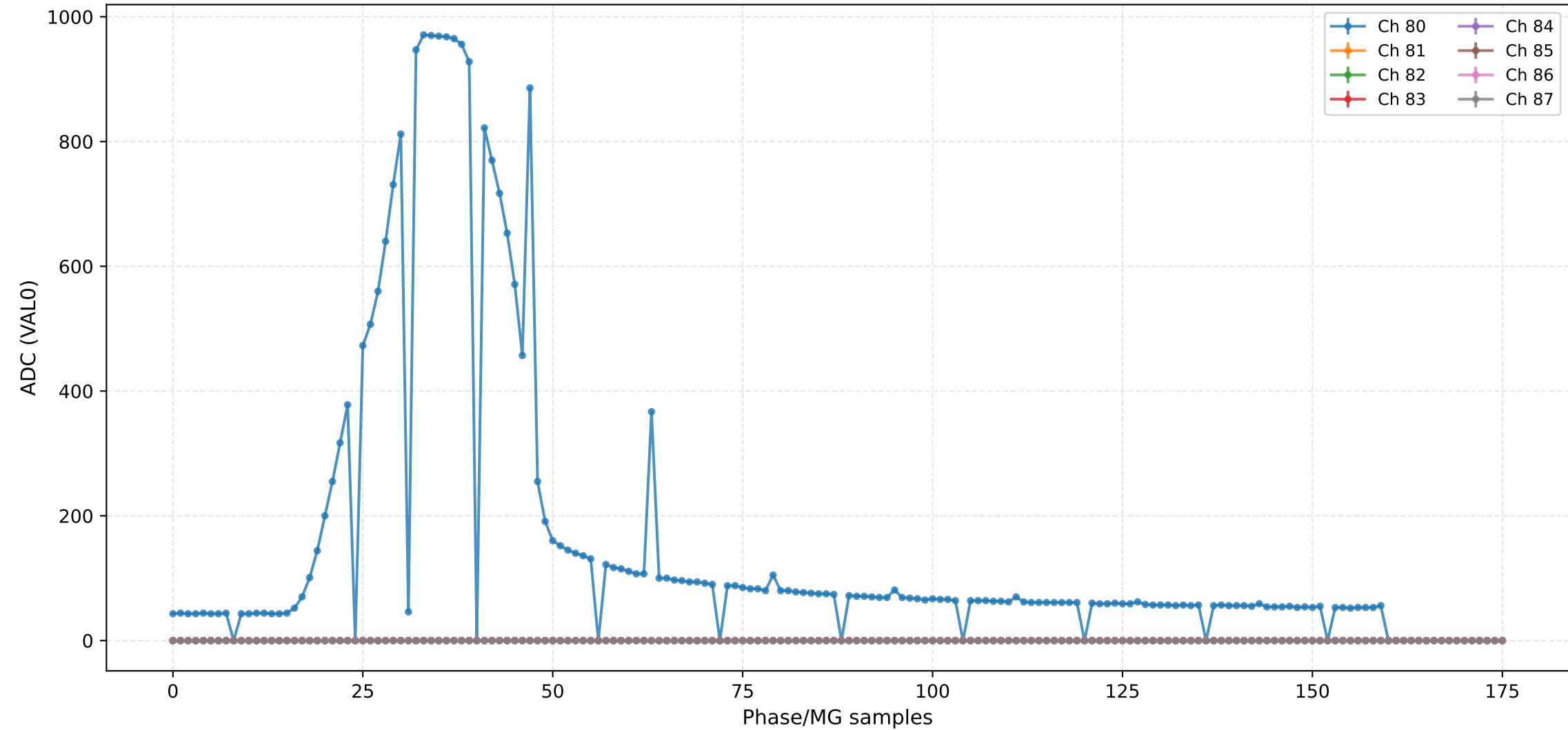
ADC (VAL0) - Channels 64 to 71



### ADC (VAL0) - Channels 72 to 79



## ADC (VAL0) - Channels 80 to 87



### ADC (VAL0) - Channels 88 to 95



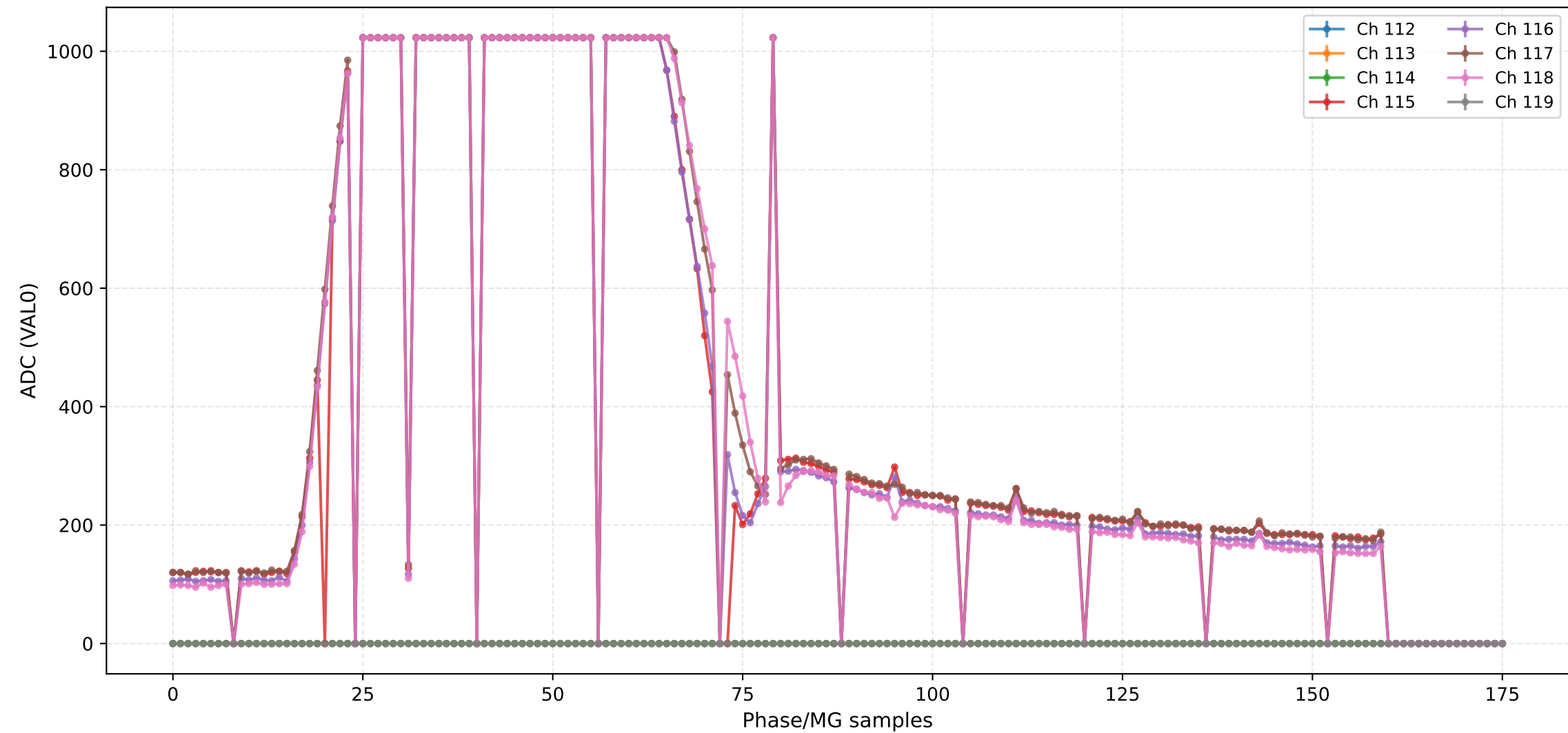
## ADC (VAL0) - Channels 96 to 103



## ADC (VAL0) - Channels 104 to 111



## ADC (VAL0) - Channels 112 to 119



## ADC (VAL0) - Channels 120 to 127





### ADC (VAL0) - Channels 128 to 135



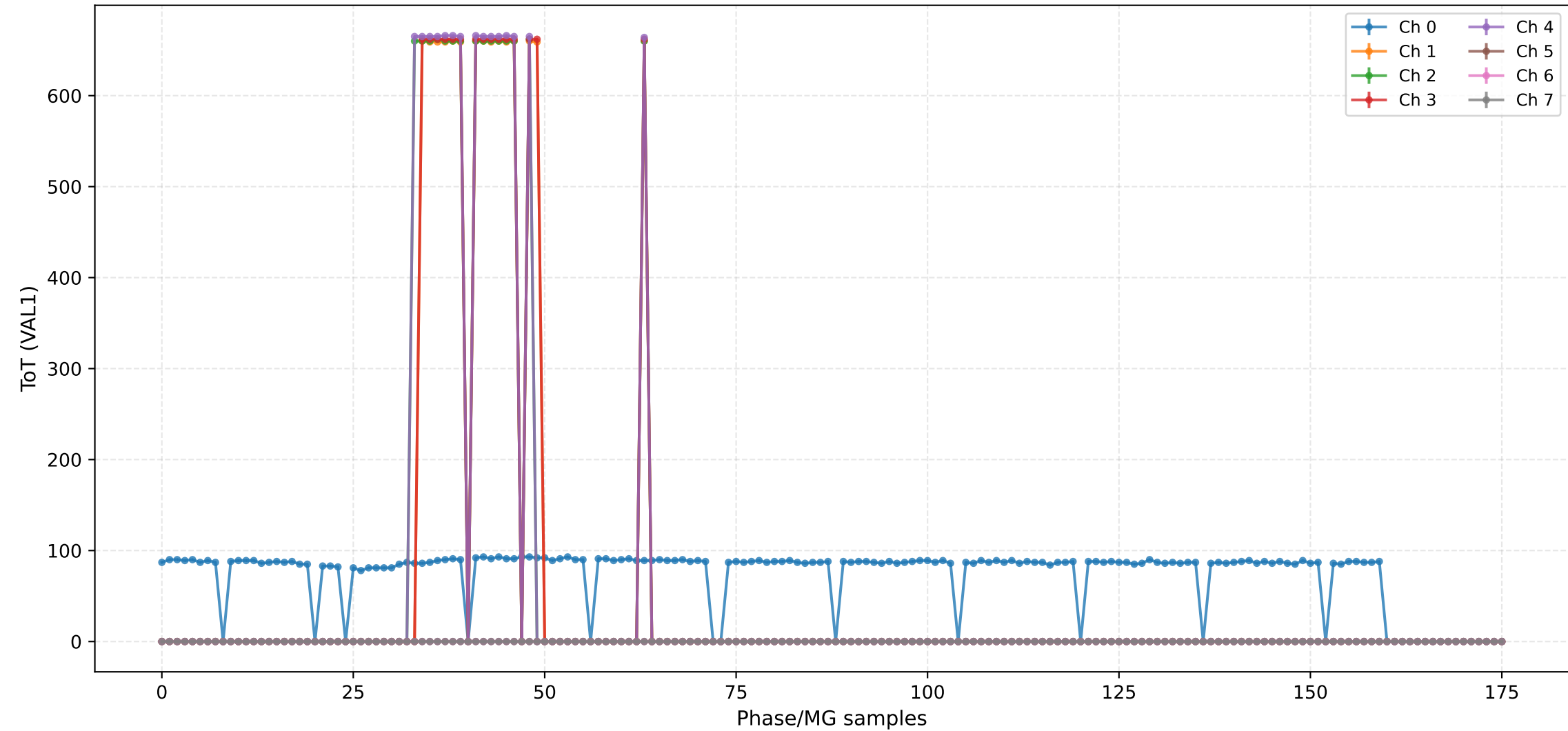
### ADC (VAL0) - Channels 136 to 143



### ADC (VAL0) - Channels 144 to 151



ToT (VAL1) - Channels 0 to 7



## ToT (VAL1) - Channels 8 to 15



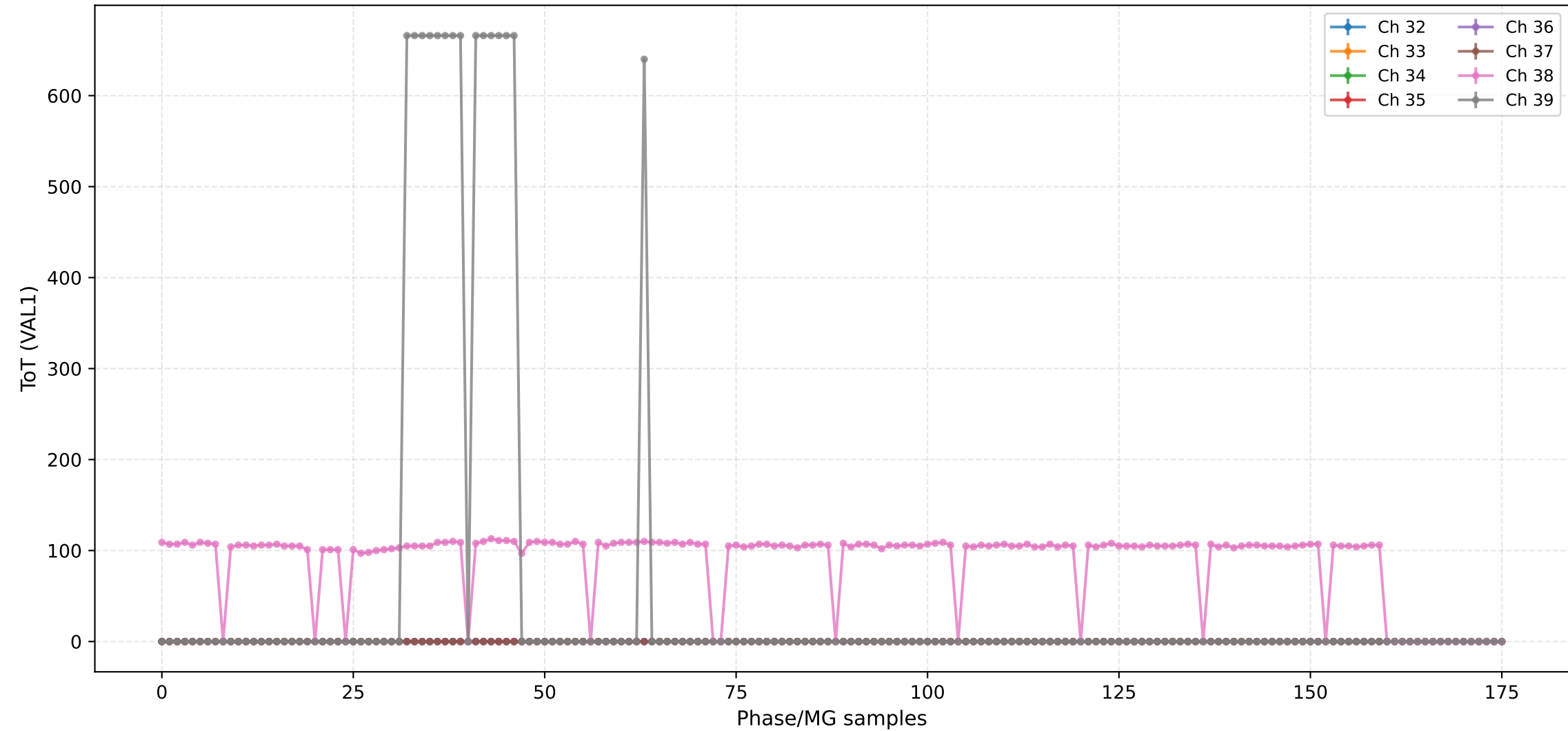
### ToT (VAL1) - Channels 16 to 23



### ToT (VAL1) - Channels 24 to 31

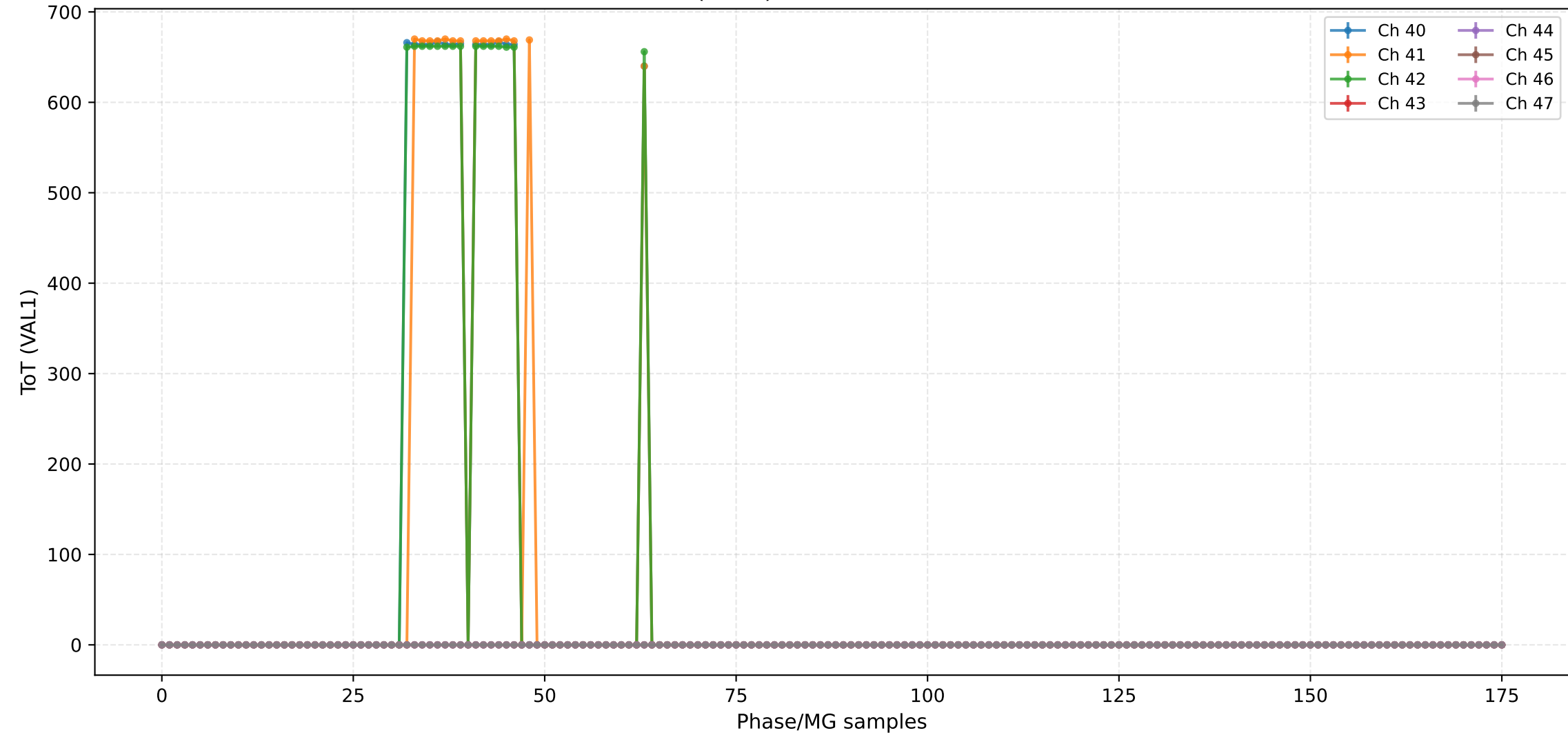


## ToT (VAL1) - Channels 32 to 39





ToT (VAL1) - Channels 40 to 47



ToT (VAL1) - Channels 48 to 55



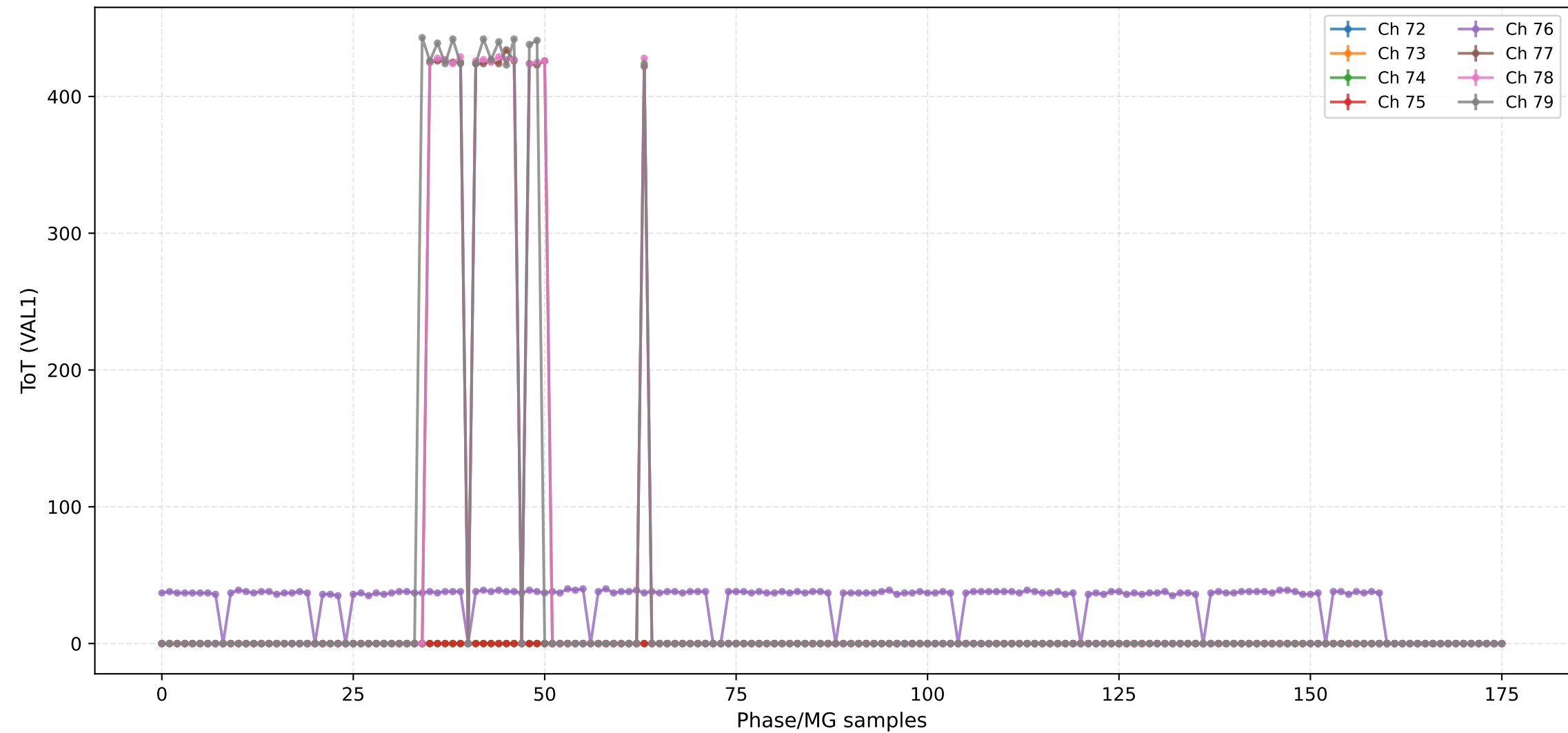
## ToT (VAL1) - Channels 56 to 63



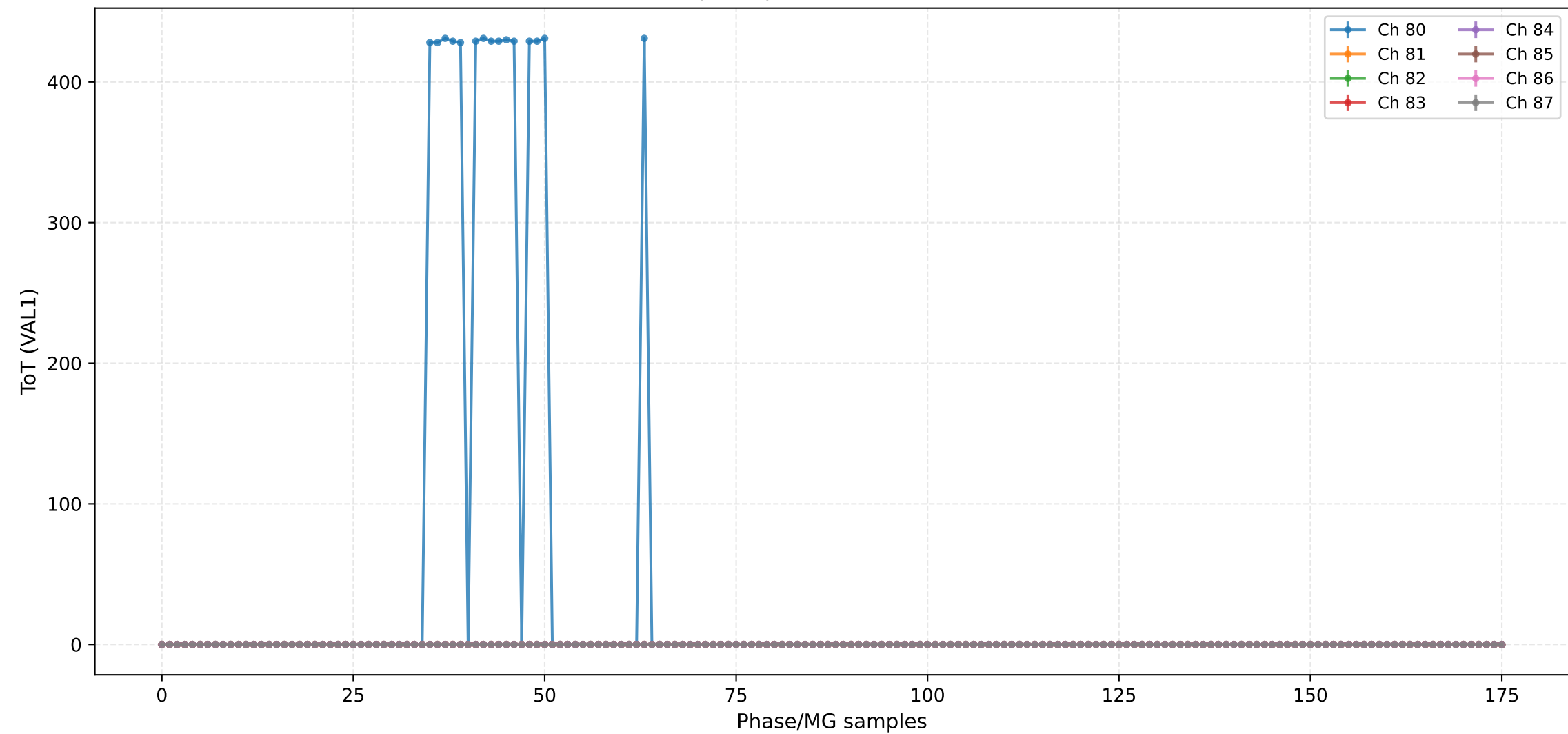
## ToT (VAL1) - Channels 64 to 71



ToT (VAL1) - Channels 72 to 79



## ToT (VAL1) - Channels 80 to 87



## ToT (VAL1) - Channels 88 to 95

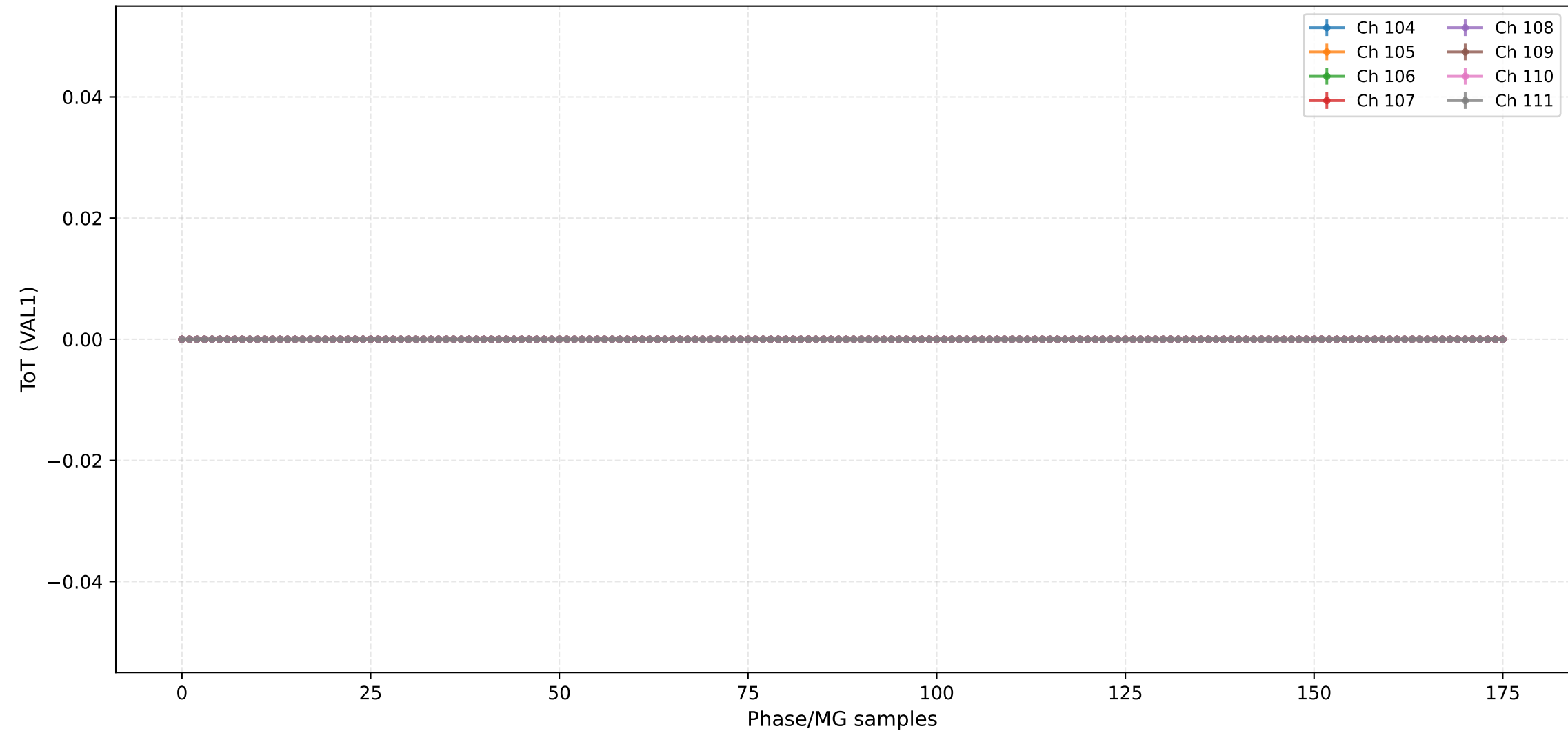


ToT (VAL1) - Channels 96 to 103

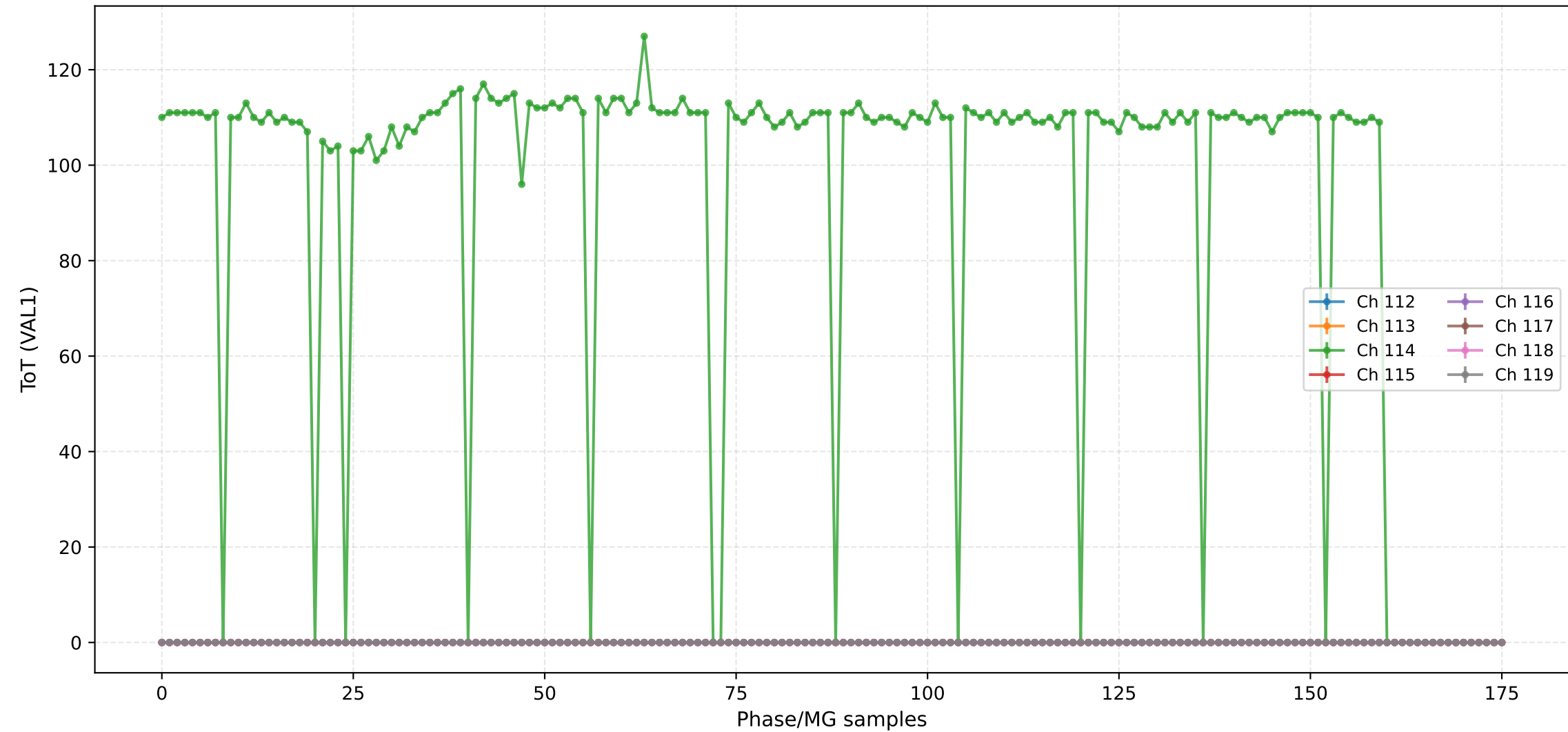




ToT (VAL1) - Channels 104 to 111



ToT (VAL1) - Channels 112 to 119



## ToT (VAL1) - Channels 120 to 127



ToT (VAL1) - Channels 128 to 135



## ToT (VAL1) - Channels 136 to 143



ToT (VAL1) - Channels 144 to 151





## ToA (VAL2) - Channels 8 to 15





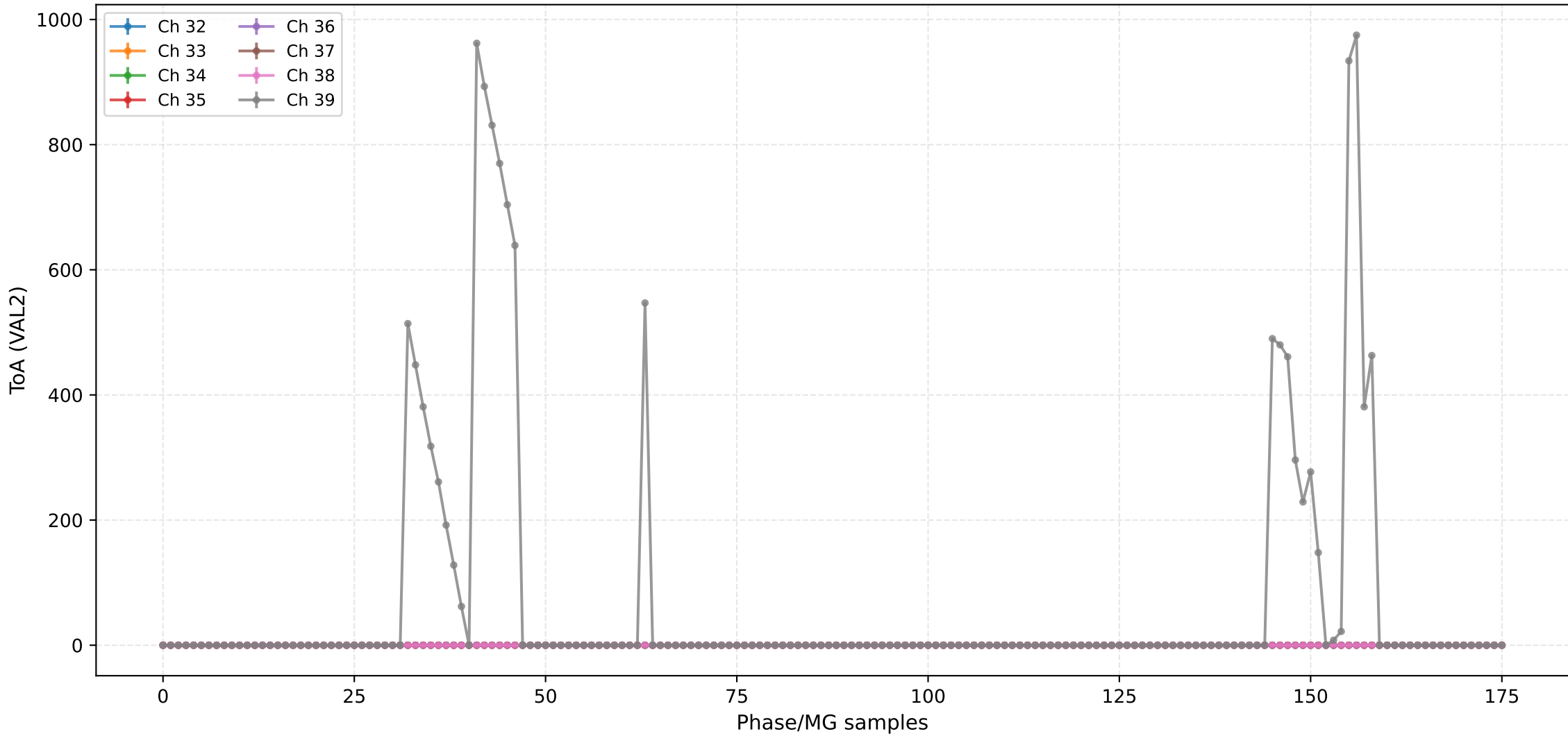
## ToA (VAL2) - Channels 16 to 23



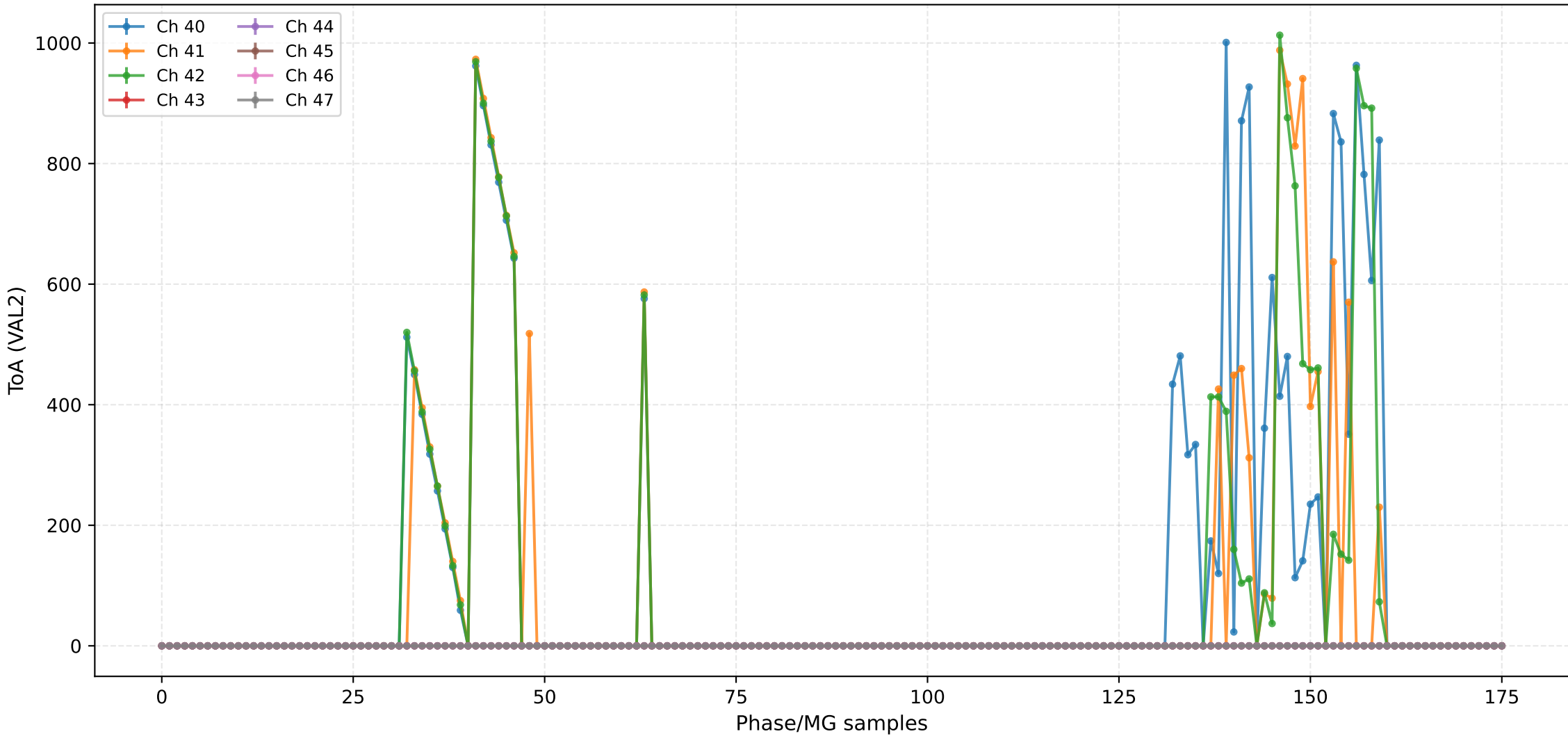
### ToA (VAL2) - Channels 24 to 31



## ToA (VAL2) - Channels 32 to 39



## ToA (VAL2) - Channels 40 to 47



ToA (VAL2) - Channels 48 to 55



## ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71









ToA (VAL2) - Channels 88 to 95



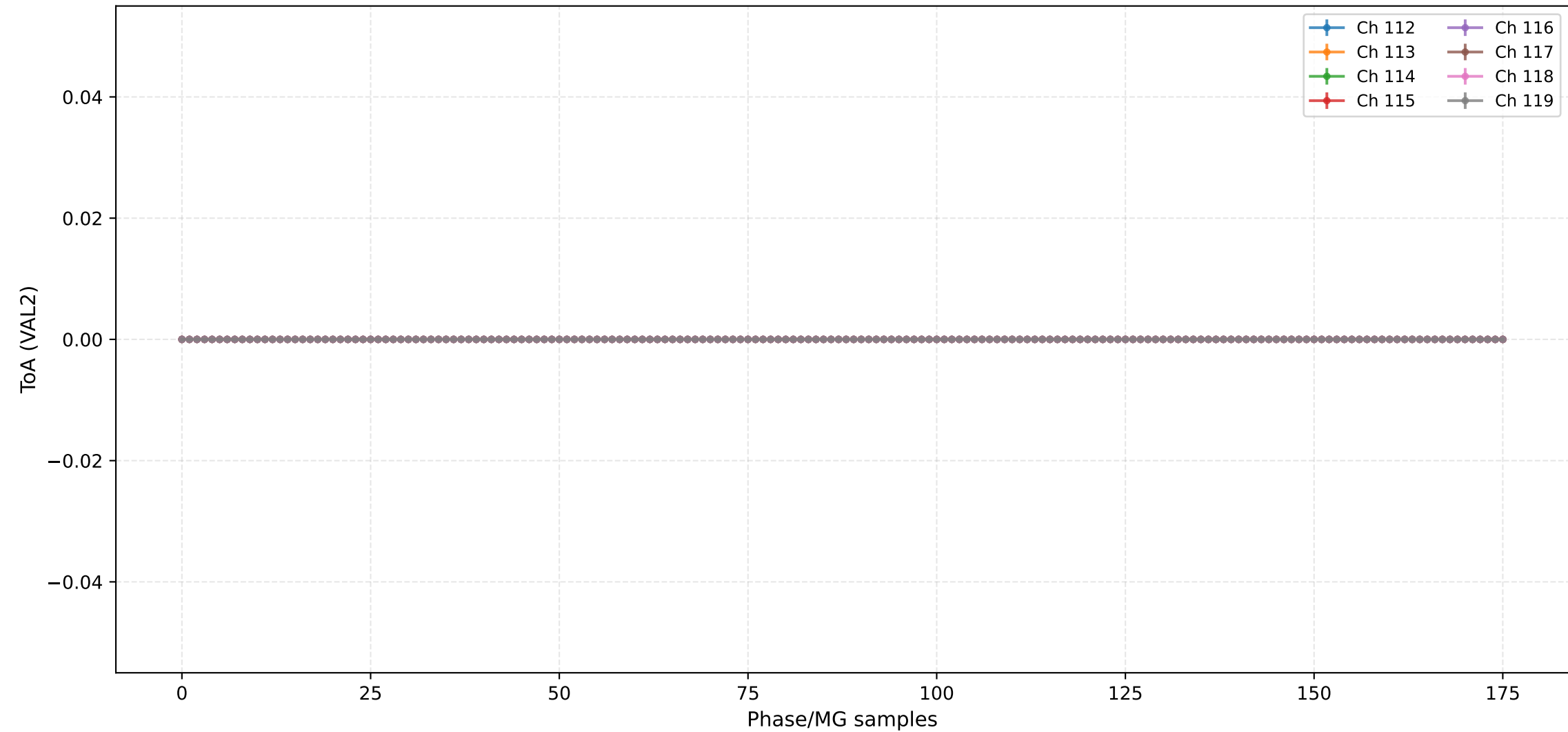
ToA (VAL2) - Channels 96 to 103



## ToA (VAL2) - Channels 104 to 111

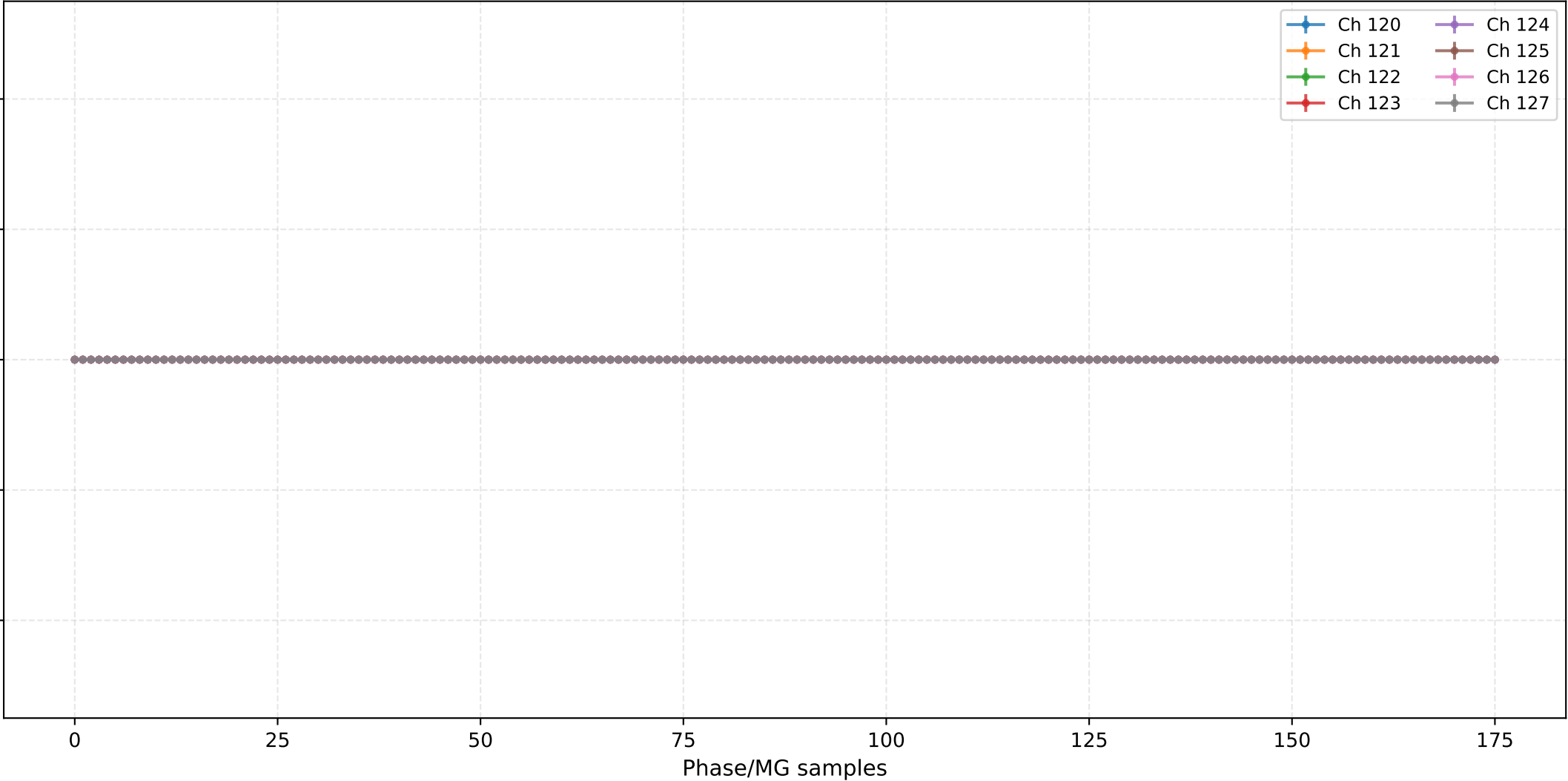


ToA (VAL2) - Channels 112 to 119



Phase/MG samples

Ch 120 Ch 121 Ch 122 Ch 123 Ch 124 Ch 125 Ch 126 Ch 127



The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  over time for six channels. The x-axis, labeled 'Time', ranges from 0 to 150. The y-axis, labeled 'Expectation value', ranges from -1 to 1. A legend in the top right corner identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All six channels show a constant expectation value of 0 across the entire time range.

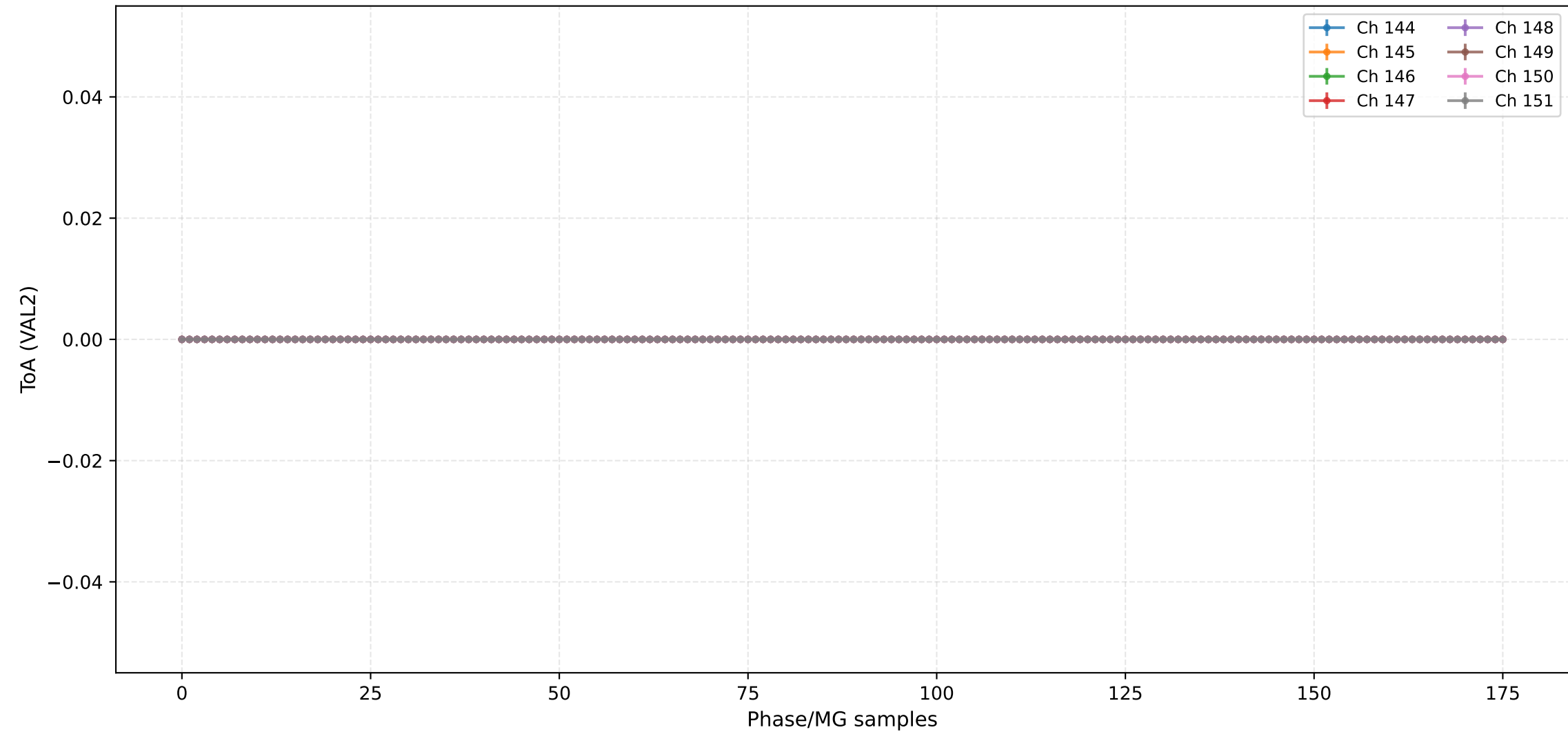


The graph displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for five different channels (Ch 136, Ch 137, Ch 138, Ch 139, and Ch 140). The x-axis represents time in units of  $1/\omega$ , ranging from 0 to 150. The y-axis represents the expectation value, ranging from -0.5 to 0.5. A horizontal dashed line is drawn at  $y=0$ . All channels show a constant value of 0 throughout the entire time range.





ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-12 00:43:45

### Configuration:

- Total ASICs: 2
- Injection DAC: 650
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 10
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac650\_mg10\_pack2\_chn10\_val0.csv
- 205\_Injection\_asic2\_injdac650\_mg10\_pack2\_chn10\_val1.csv
- 205\_Injection\_asic2\_injdac650\_mg10\_pack2\_chn10\_val2.csv